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JUNE 16, 1999

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101005557A

2390-1-001

KLAUBER & JACKSON
DAVID A. JACKSON
411 HACKENSACK AVENUE
4TH FLOOR
HACKENSACK, NJ 07601

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/29/1999

REEL/FRAME: 9863/0335
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HIGGS, VICTOR

DOC DATE: 03/12/1999

ASSIGNOR:

MAYES, IAN CHRISTOPHER

DOC DATE: 03/12/1999

ASSIGNOR:

YUN HENG CHIN, FREDDIE

DOC DATE: 03/12/1999

ASSIGNOR:

SWEENEY, MICHAEL

DOC DATE: 03/12/1999

ASSIGNEE:

BIO-RAD MICROMEASUREMENTS LIMITED
BIO-RAD HOUSE, MAYLANDS AVENUE
HEMEL HEMPSTEAD
HERTFORDSHIRE HP2 7TD
UNITED
KINGDOM

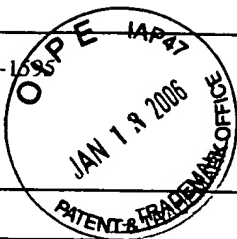
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TECHNOLOGY CENTER 2800

9863/0335 PAGE 2

SERIAL NUMBER: 09254521
PATENT NUMBER:

FILING DATE:
ISSUE DATE:

STEVEN POST, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



04-08-1999



101005557

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

HEET

Attorney Docket No. 2390-1-001

To the Assistant Commissioner for Patents

1. Name of conveying party(ies):

Victor HIGGS; Ian Christopher MAYES; Freddie YUN
HENG CHIN; and Michael SWEENEY

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

Other: _____

Execution Date: March 12, 1999

2. Name and address of receiving party(ies):

Name: Bio-Rad Micromeritics Limited

Address: Bio-Rad House, Maylands Avenue

Hemel Hempstead, Hertfordshire

HP2 7TD

United Kingdom

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/254,521

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David A. Jackson

Address: KLAUBER & JACKSON

411 Hackensack Avenue, 4th Floor

Hackensack, New Jersey 07601

6. Total number of applications and patents involved

7. Total fee (37 CFR 3.41): \$ 40.00

☒ Enclosed

☒ Authorized to be charged to deposit account, if necessary -
for overages or underpayments only

8. Deposit account number:

11-1153

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David A. Jackson, Reg. No. 26,742
Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

ASSIGNMENT

WHEREAS, We, Victor HIGGS, a citizen of Great Britain, residing at

BIO-RAD HOUSE
MAYLANDS AVENUE
HEMEL HEMPSTEAD
HERTFORDSHIRE
HP2 7TD
UNITED KINGDOM;

Ian Christopher MAYES, a citizen of Great Britain, residing at

BIO-RAD HOUSE
MAYLANDS AVENUE
HEMEL HEMPSTEAD
HERTFORDSHIRE
HP2 7TD
UNITED KINGDOM;

Freddie YUN HENG CHIN, a citizen of Malaysia, residing at

BIO-RAD HOUSE
MAYLANDS AVENUE
HEMEL HEMPSTEAD
HERTFORDSHIRE
HP2 7TD
UNITED KINGDOM; and

Michael SWEENEY, a citizen of Great Britain, residing at

BIO-RAD HOUSE
MAYLANDS AVENUE
HEMEL HEMPSTEAD
HERTFORDSHIRE
HP2 7TD
UNITED KINGDOM

ASSIGNORS, have invented new and useful improvements in

MICRO DEFECTS IN SEMI-CONDUCTORS

for which we have filed an Application for Letters Patent in the United States on March 8, 1999.



WHEREAS,

BIO-RAD MICROMEASUREMENTS LIMITED

located at
BIO-RAD HOUSE
MAYLANDS AVENUE
HEMEL HEMPSTEAD
HERTFORDSHIRE
HP2 7TD
UNITED KINGDOM

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ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

ASSIGNORS

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

ASSIGNEE

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

ASSIGNEE,

its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

ASSIGNEE,

its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

ASSIGNEE,

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.

Date 12th March, 1999

V Higgs L.S.
Victor HIGGS

Date 12th March, 1999

I C Mayes L.S.
Ian Christopher MAYES

Date 12th March, 1999

Freddie YUN HENG CHIN L.S.
Freddie YUN HENG CHIN

Date 12th MARCH, 1999

M Sweeney L.S.
Michael SWEENEY

RK



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KINS COE LLP

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 09, 2005

PTAS



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KLAUBER & JACKSON
DAVID A. JACKSON, ESQ.
411 HACKENSACK AVE., 4TH FLOOR
HACKENSACK, NJ 07601

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RECORDATION DATE: 08/30/2004

REEL/FRAME: 015731/0082
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 2390-1-001

ASSIGNOR:

BIO-RAD MICROMEASUREMENTS LIMITED DOC DATE: 10/15/2001

ASSIGNEE:

ASTI OPERATING COMPANY, INC.
520 CLYDE AVENUE
MOUNTAIN VIEW, CALIFORNIA 94093

SERIAL NUMBER: 09254521

FILING DATE: 03/08/1999

PATENT NUMBER:

ISSUE DATE:

TITLE: "MICRO DEFECTS IN SEMI-CONDUCTORS"

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015731/0082 PAGE 2

KIMBERLY WHITE, EXAMINER
ASSIGNMENT DIVISION
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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

Attorney Docket No.: 2390-1-001

Tab settings ⇌ ⇌ ⇌

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Bio-Rad Micromeasurements Limited

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: 10/15/01

2. Name and address of receiving party(ies)

Name: ASTI Operating Company, Inc.

Internal Address:

Street Address: 520 Clyde Avenue

City: Mountain View State: CA Zip: 94093

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/254,521

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David A. Jackson, Esq.

Internal Address:

Street Address: Klauber & Jackson

411 Hackensack Ave., 4th Floor

City: Hackensack State: NJ Zip: 07601

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David A. Jackson, Reg. No. 26,742

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

08/31/2004 MGETACHE 00000119 111153

09254521

01 FC:8021

40.00 DA

ASSIGNMENT

WHEREAS Bio-Rad Micromasurements Limited, Semiconductor Division, Haxby Road, York, YO31 8SD, England [hereinafter (collectively) "ASSIGNOR"] is the owner of certain new and useful improvements in

MICRO DEFECTS IN SEMI-CONDUCTORS

for which an application for United States Letters Patent was files as U.S. Serial No. 09/254,521 on March 8, 1999.

WHEREAS ASTI Operating Company, Inc.
 520 Clyde Avenue
 Mountain View, California 94093
 United States of America

a company incorporated in the United States of America (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in the same:

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00), the receipt whereof is hereby acknowledged, and other good and valuable consideration, the said ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, full and exclusive right to the said invention in the United States and all other countries and the entire right, title and interest in and to ~~any~~ and all Letters Patent which may be granted therefor in the United States, and all other countries.

SAID ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, as the assignee of the entire right, title, and interest in and to the same, for the sole use and for the use of its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by said ASSIGNOR had this assignment and sale not been made.

WITNESS, the hand and seal of the ASSIGNOR on the date(s) indicated.

Date(s)

Signature(s)

10/15/01

Signature:



Name:

Sanford S. Wadler

Title:

Secretary